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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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June 3, 1992

TO: Minerals File

FROM: Tony Gallegos, Reclamation Engineer *aa*

RE: Site Inspection, Perpetual Storage Inc. (PSI), Wasatch No. 7 Mine,  
S/035/013, Salt Lake County, Utah

Date of Inspection: June 2, 1992

Time of Inspection: 1000 - 1140

Conditions: Sunny, fair

Participants: Dean Willden, PSI; Tony Gallegos, and Wayne Hedberg, DOGM

The purpose of this inspection was to familiarize Division staff with the site and answer some questions regarding the Notice of Intention (NOI) for the proposed expansion of the existing underground storage facility.

The site is located up Little Cottonwood Canyon. The main access road branches off the canyon road near mile marker 6. The existing facilities consist of a paved access road and parking area, a concrete building/loading dock and the underground storage facilities. The main function of PSI is to provide a secure and environmentally stable storage facility for their clients. The existing and proposed facilities are located on private property and have apparently been operated since the late 1960's.

Mr. Willden escorted us on a brief tour of the underground storage facilities and explained the nature of their business. We then examined a conceptual blueprint of the proposed expansion which involves the addition of a second storage tunnel. The majority of the expansion will take place underground. The surface expressions of the expansion will be an enlargement of the waste rock area, an expansion of the parking pad, a new building/loading facility, and the widening and paving of an older, unused "jeep" access road. Mr. Willden informed us that the blueprint/map included with the small mine NOI is intended to show the waste rock area **after** the addition of materials from the expansion.

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We discussed the issue of probable variances that may be warranted for this site. Specifically, variances for the salvaging/stockpiling of topsoil, the replacement of topsoil upon reclamation, meeting 70% revegetation success standards on the waste rock slopes, and waste rock slopes steeper than 45 degrees.

We examined the surface disturbances associated with the existing facilities and the location(s) for the proposed facilities. The waste rock area is comprised of native granite which was produced during the original tunnel/vault development. The size of the waste rock varies from granitic fines to boulders, which have been dumped at the angle of repose. The dumping has caused the rock to be sorted, with the majority of the fines at the top and large boulders at the bottom.

We were encouraged to see that some natural vegetation has encroached onto the outslopes of the waste rock dump, particularly in areas where there are fines. Mr. Willden indicated that the county has requested that PSI transplant some containerized trees around the perimeter of the dump after the proposed expansion is concluded. We recommended that the operator consider using native tree species similar to those presently growing on and immediately adjacent to the site (e.g., maple, gambel oak, box elder, etc.). Based upon our observations of the existing, unassisted, partial revegetation of this waste dump, it is reasonable to assume that some form of revegetation effort may be justified.

At the conclusion of our inspection, Mr. Willden agreed to provide the Division with a copy of the blueprint detailing the proposed expansion. In the meantime, the Division will consider the unique reclamation questions relating to this virtually perpetual site (e.g., final reclamation of roads, tunnels, etc.) and formalize the variance descriptions warranted for the site.

jb  
cc: Dean Willden, PSI  
Lowell Braxton, DOGM  
S035013.1















